

Title (en)  
ACOUSTIC PROGRAM, ACOUSTIC DEVICE, AND ACOUSTIC SYSTEM

Title (de)  
AKUSTISCHES PROGRAMM, AKUSTISCHE VORRICHTUNG UND AKUSTISCHES SYSTEM

Title (fr)  
PROGRAMME ACOUSTIQUE, DISPOSITIF ACOUSTIQUE ET SYSTÈME ACOUSTIQUE

Publication  
**EP 3799035 A1 20210331 (EN)**

Application  
**EP 19800558 A 20190510**

Priority  
• JP 2018092622 A 20180511  
• JP 2019018746 W 20190510

Abstract (en)  
A sound field model is easily reproduced from a 2D image data. An acoustic filter of an image data on an unknown space of which parameter is not known can be easily obtained. An acoustic device constituting a controller of an acoustic system includes a computation part (101), to which are connected an imaging device (2) mainly realized by a computer; a sound collector (3), and a storage device (4). The computation part (101) serves an encoder which makes an image of an unknown space associate with a spatial acoustic filter coefficient, so as to stereophonically reproduce a sound field. A decoder which can be a device separately from the acoustic device (100) is connected to a reproducer, in addition to the computation part (101). The reproducer outputs a sound corresponding to a 2D image with a reverberation sound obtained from a spatial acoustic filter characteristic corresponding to the image of the unknown space.

IPC 8 full level  
**G10K 15/08** (2006.01); **G10K 15/00** (2006.01)

CPC (source: EP US)  
**G06F 18/22** (2023.01 - US); **G06T 11/00** (2013.01 - EP US); **G10K 11/17823** (2017.12 - EP); **G10K 11/17854** (2017.12 - EP); **G10K 11/17873** (2017.12 - EP); **G10K 15/08** (2013.01 - US); **H04S 7/30** (2013.01 - EP); **H04S 7/303** (2013.01 - US); **G10K 15/08** (2013.01 - EP); **G10K 2210/128** (2013.01 - EP); **G10K 2210/30231** (2013.01 - EP); **G10K 2210/3025** (2013.01 - EP); **G10K 2210/3028** (2013.01 - EP); **G10K 2210/3038** (2013.01 - EP); **H04S 2400/15** (2013.01 - US)

Cited by  
WO2023101839A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**US 11317233 B2 20220426**; **US 2021058731 A1 20210225**; EP 3799035 A1 20210331; EP 3799035 A4 20220413; JP 7352291 B2 20230928; JP WO2019216414 A1 20210527; WO 2019216414 A1 20191114

DOCDB simple family (application)  
**US 201917054462 A 20190510**; EP 19800558 A 20190510; JP 2019018746 W 20190510; JP 2020518358 A 20190510